

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013198.D
 Acq On : 04 Apr 2023 18:38
 Operator : KP/MD
 Sample : 02176-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-040323

Quant Time: Apr 05 01:21:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

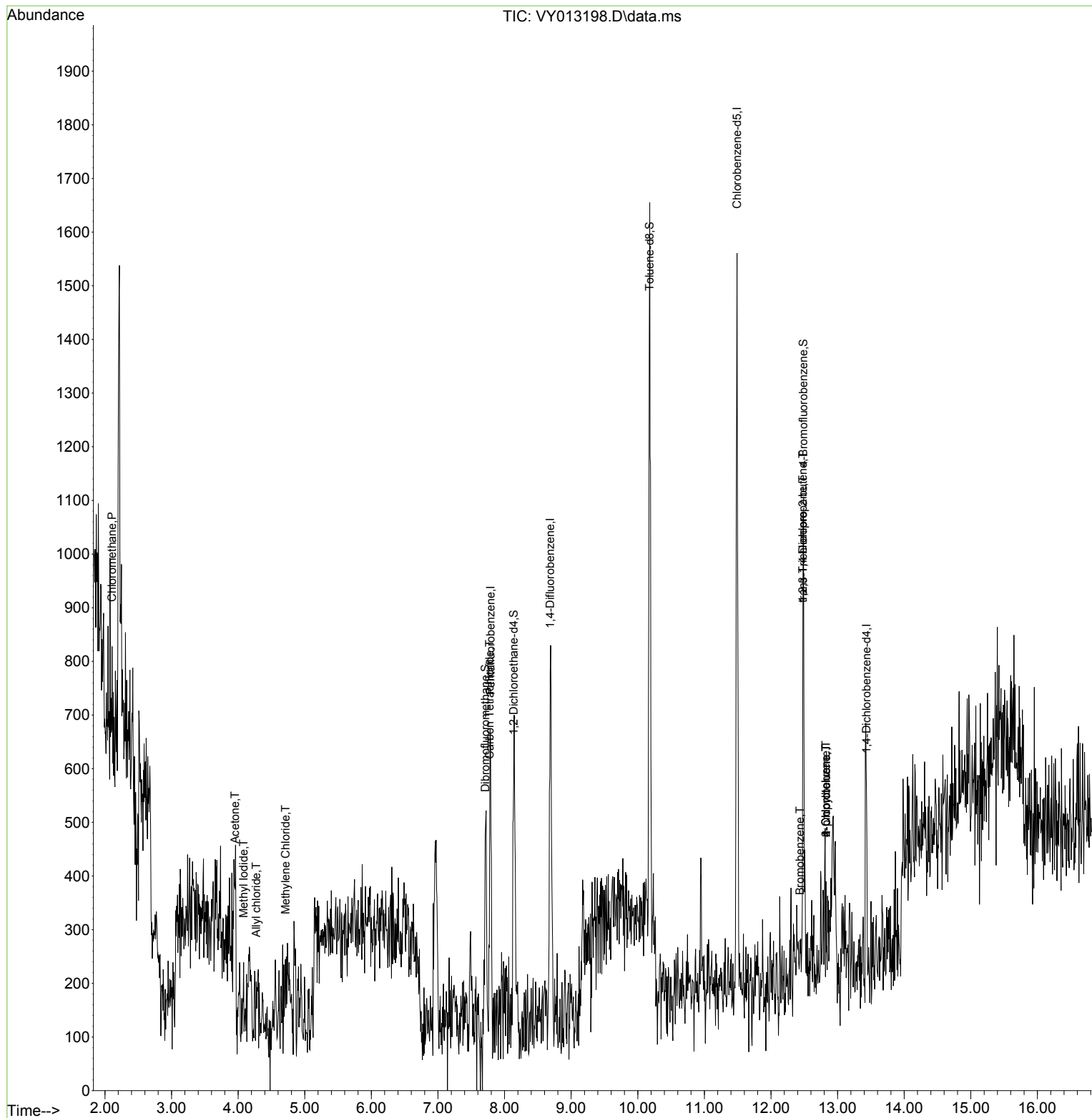
Internal Standards						
1) Pentafluorobenzene	7.789	168	612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	1054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	981	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	539	81.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 163.900%#	
35) Dibromofluoromethane	7.710	113	298	43.280	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.560%	
50) Toluene-d8	10.179	98	1065	40.972	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 81.940%	
62) 4-Bromofluorobenzene	12.483	95	244	28.838	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 57.680%	
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	20	3.197	ug/l #	42
10) Methyl Iodide	4.082	142	18	2.246	ug/l #	40
14) Allyl chloride	4.271	41	19	1.874	ug/l #	25
16) Acetone	3.954	43	283	140.714	ug/l #	44
20) Methylene Chloride	4.710	84	95	9.313	ug/l #	51
38) Carbon Tetrachloride	7.777	117	22	1.924	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	113	62.477	ug/l #	100
77) Bromobenzene	12.435	156	65	23.525	ug/l #	1
78) n-propylbenzene	12.825	91	21	1.537	ug/l #	52
79) 2-Chlorotoluene	12.825	91	21	2.708	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.477	75	113	139.333	ug/l #	13
82) 4-Chlorotoluene	12.825	91	21	2.602	ug/l #	39

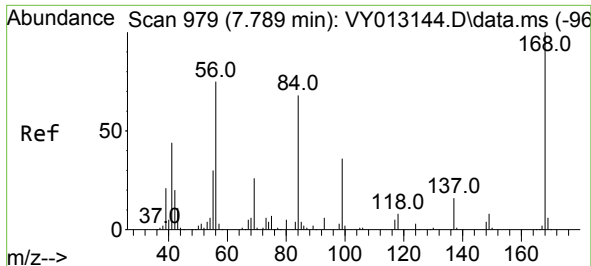
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
Data File : VY013198.D
Acq On : 04 Apr 2023 18:38
Operator : KP/MD
Sample : 02176-01
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

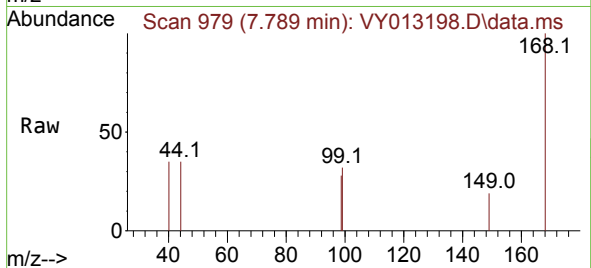
Quant Time: Apr 05 01:21:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 03 13:40:57 2023
Response via : Initial Calibration



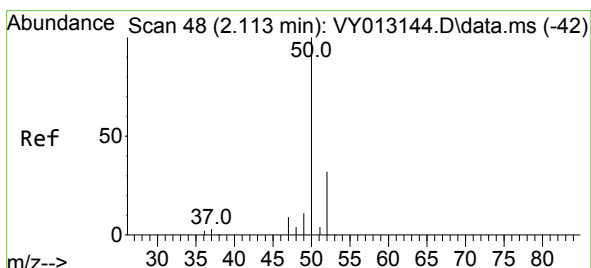
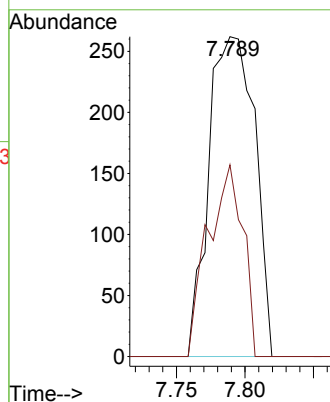
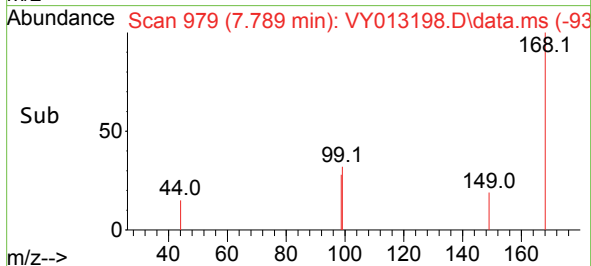


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

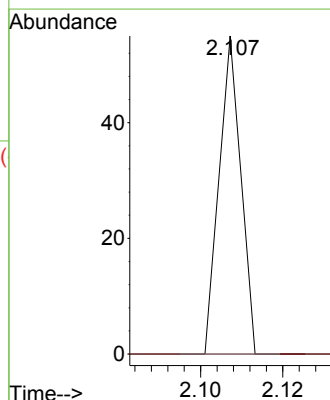
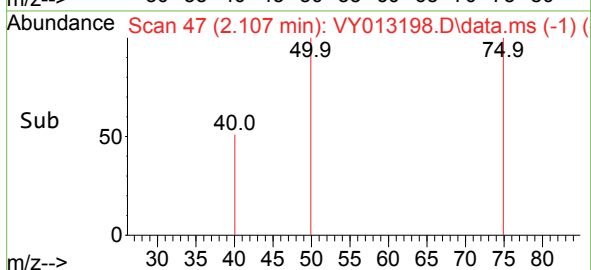
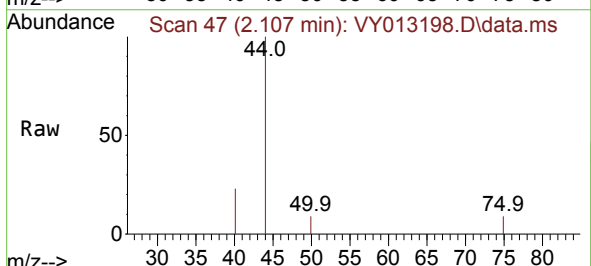


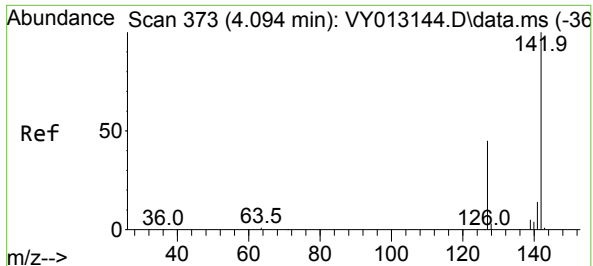
Tgt Ion:168 Resp: 612
Ion Ratio Lower Upper
168 100
99 59.9 41.7 62.5



#3
Chloromethane
Concen: 3.197 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Tgt Ion: 50 Resp: 20
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

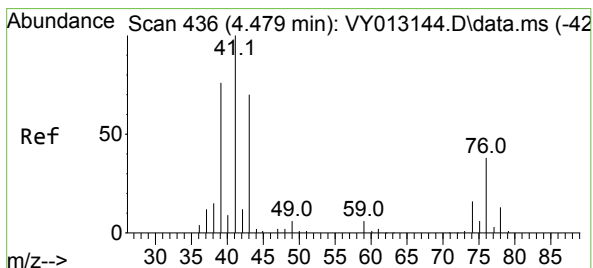
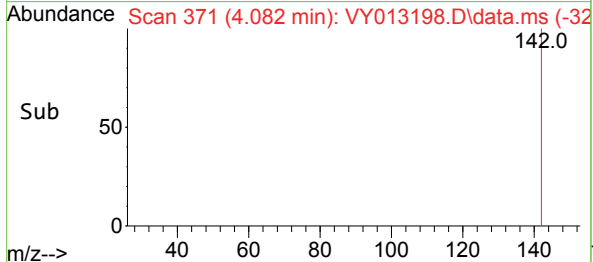
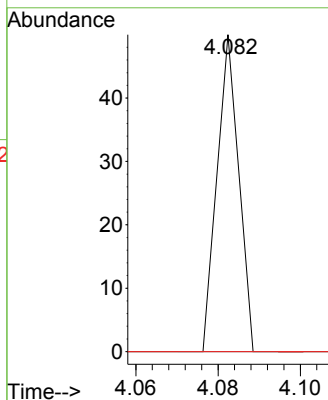
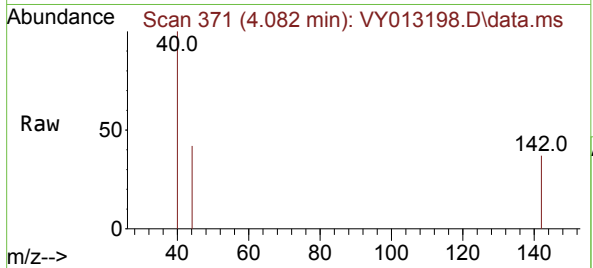




#10
Methyl Iodide
Concen: 2.246 ug/l
RT: 4.082 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

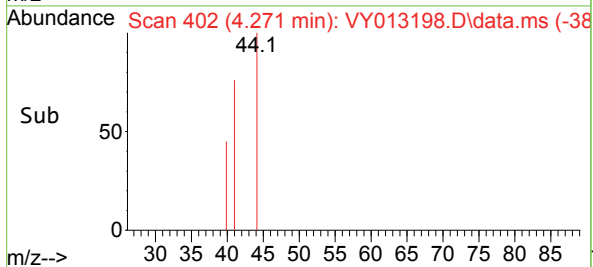
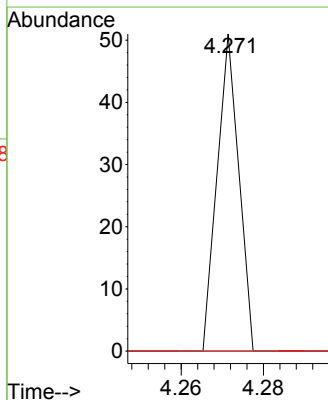
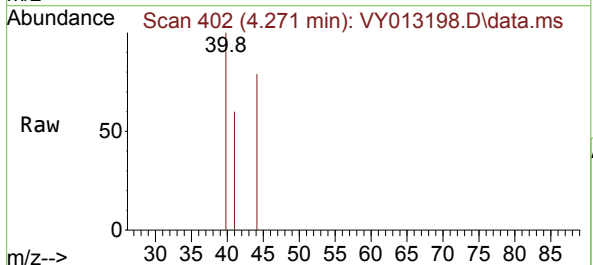
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

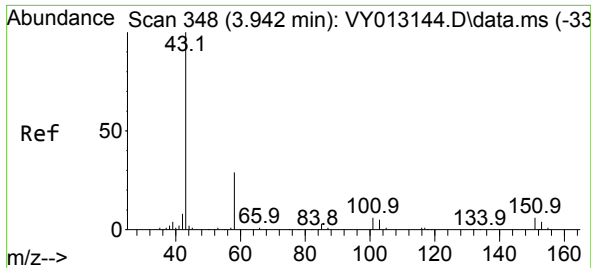
Tgt Ion:142 Resp: 18
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.3 16.9#



#14
Allyl chloride
Concen: 1.874 ug/l
RT: 4.271 min Scan# 402
Delta R.T. -0.208 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
39 0.0 53.6 80.4#
76 0.0 27.2 40.8#

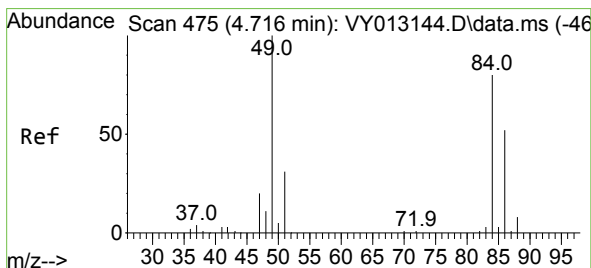
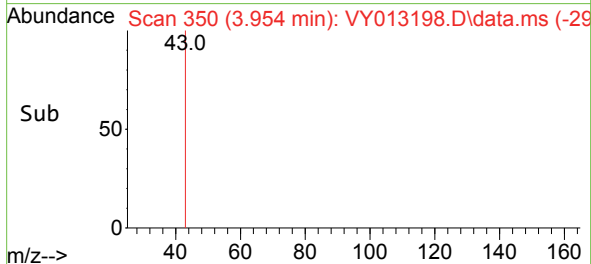
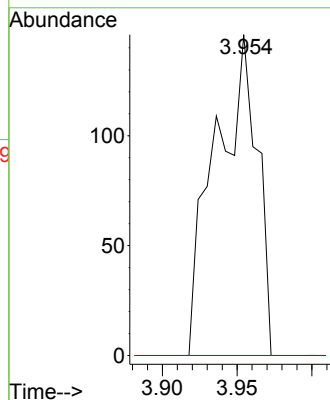
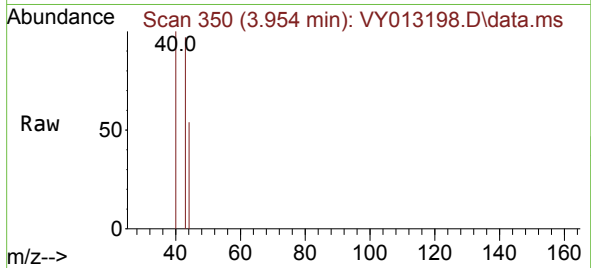




#16
Acetone
Concen: 140.714 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

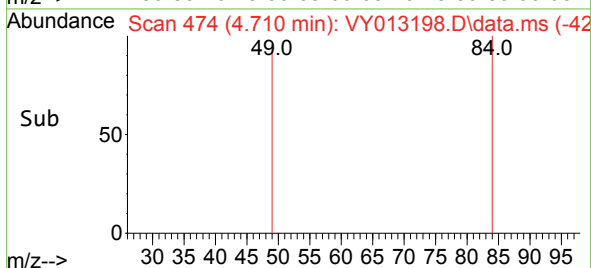
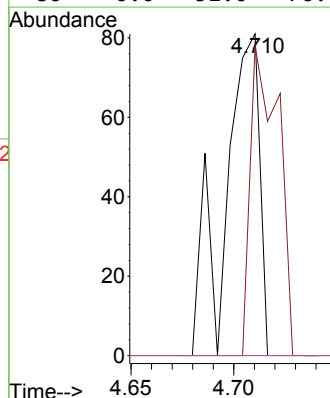
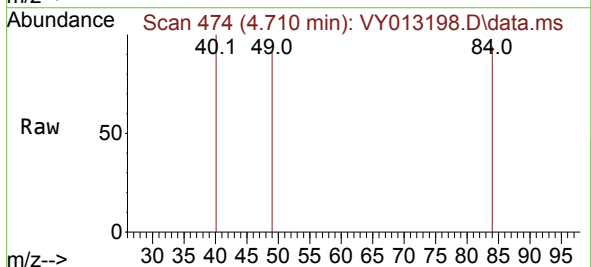
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

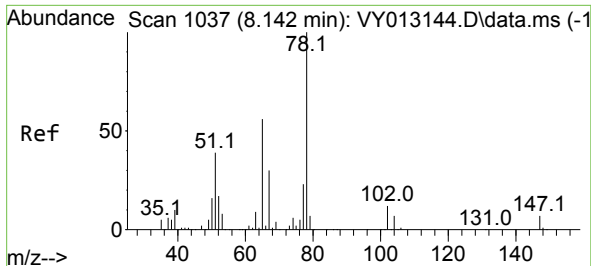
Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#



#20
Methylene Chloride
Concen: 9.313 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Tgt Ion: 84 Resp: 95
Ion Ratio Lower Upper
84 100
49 96.3 102.6 154.0#
51 0.0 31.9 47.9#
86 0.0 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 81.952 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

Instrument :

MSVOA_Y

ClientSampleId :

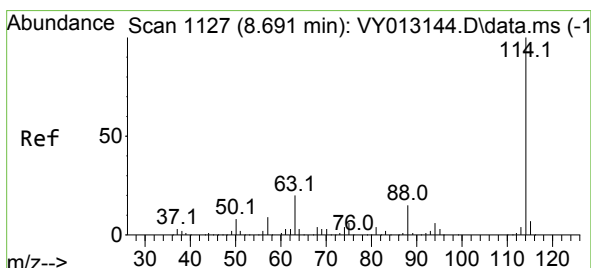
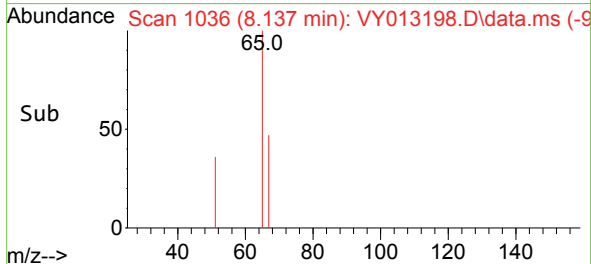
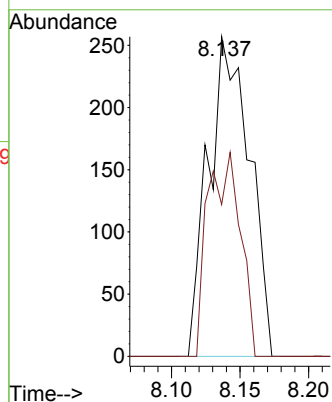
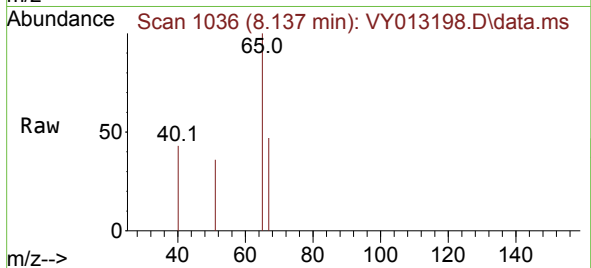
TR-04-040323

Tgt Ion: 65 Resp: 539

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

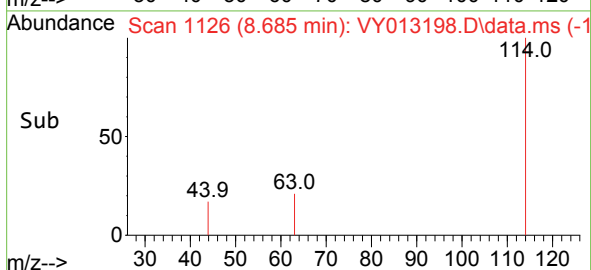
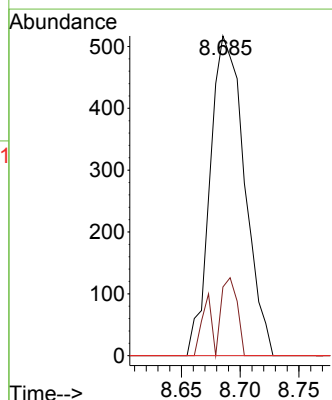
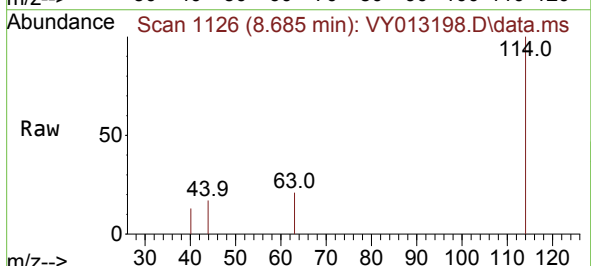
Tgt Ion: 114 Resp: 1054

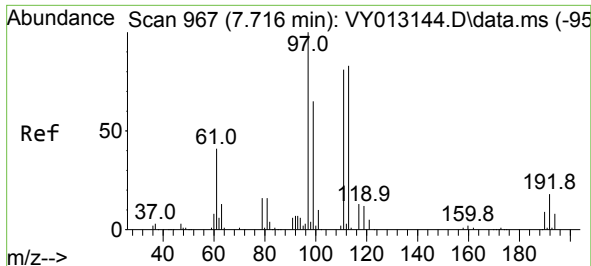
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 0.0 0.0 28.6

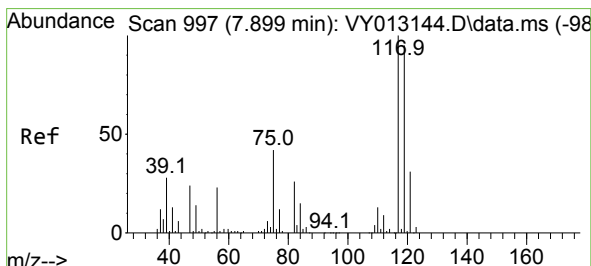
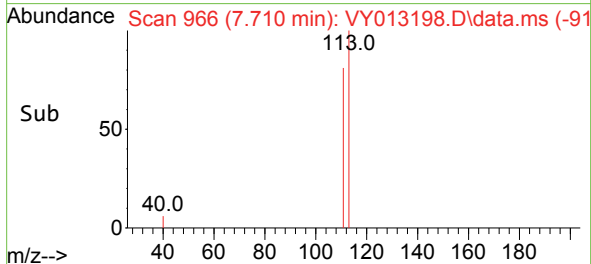
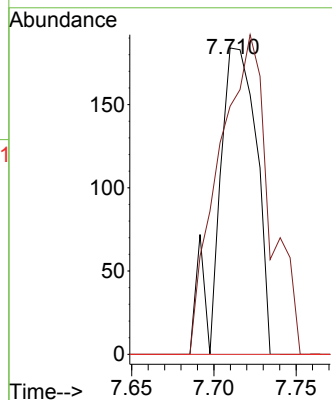
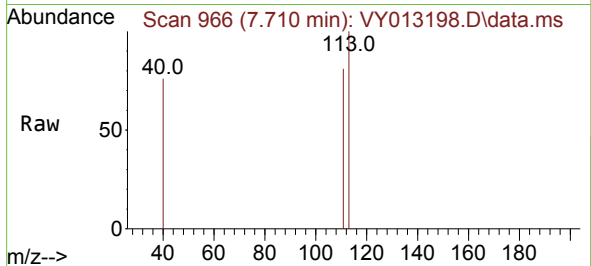




#35
Dibromofluoromethane
Concen: 43.280 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

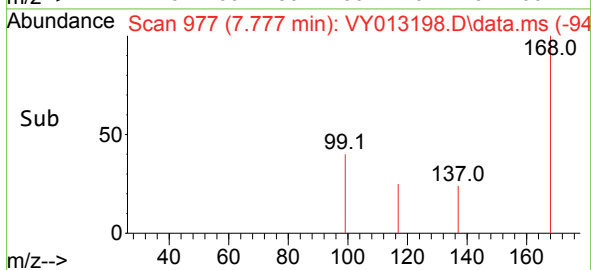
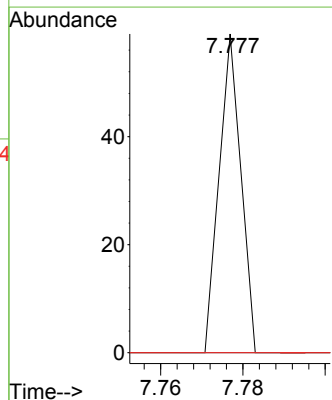
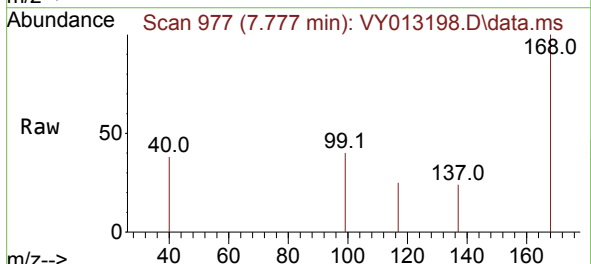
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

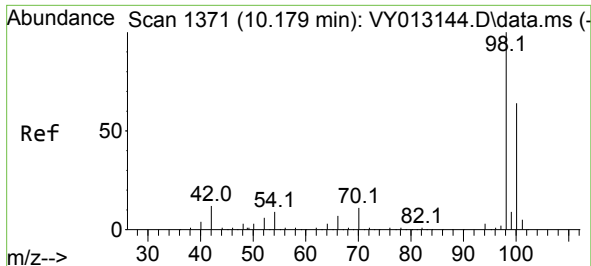
Tgt Ion:113 Resp: 298
Ion Ratio Lower Upper
113 100
111 137.9 82.2 123.2#
192 0.0 16.8 25.2#



#38
Carbon Tetrachloride
Concen: 1.924 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Tgt Ion:117 Resp: 22
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#

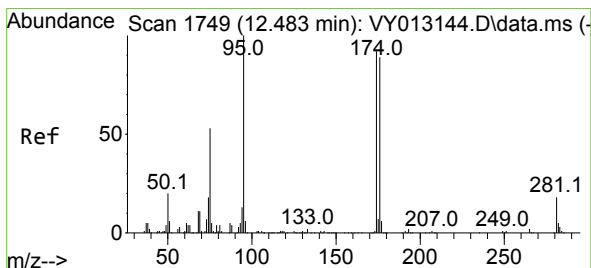
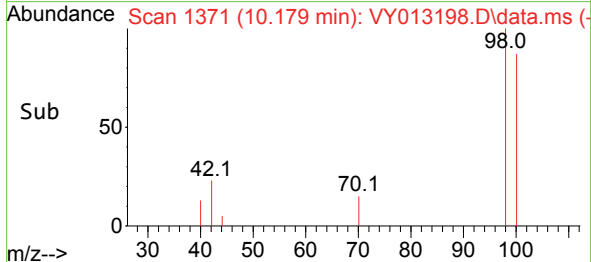
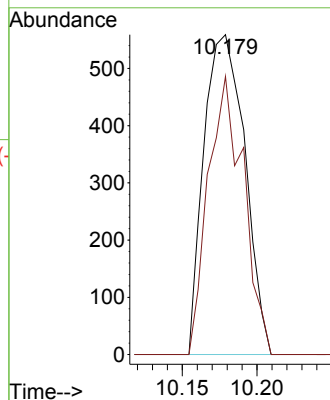
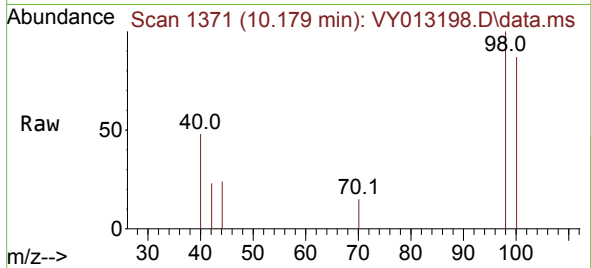




#50
Toluene-d8
Concen: 40.972 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

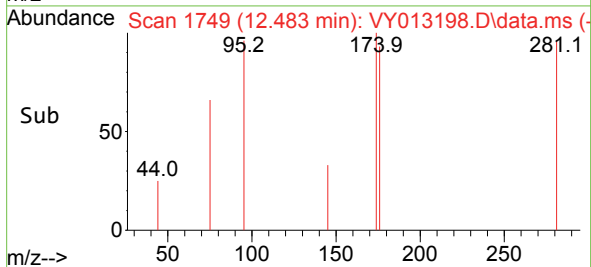
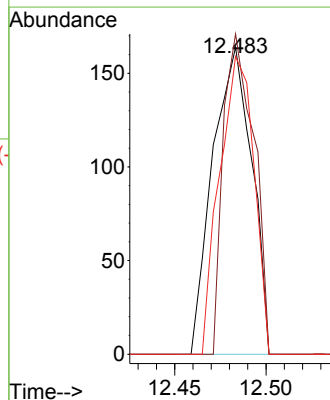
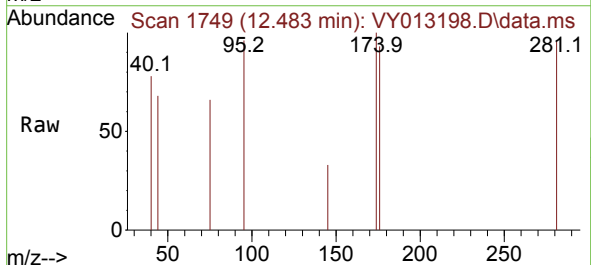
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

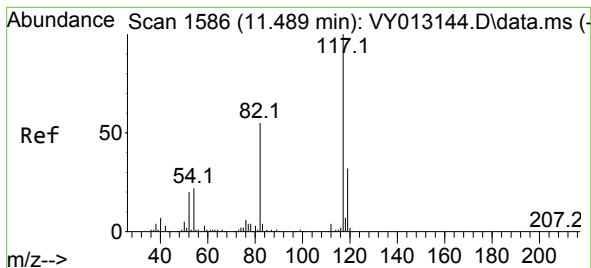
Tgt Ion: 98 Resp: 1065
Ion Ratio Lower Upper
98 100
100 75.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 28.838 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Tgt Ion: 95 Resp: 244
Ion Ratio Lower Upper
95 100
174 81.6 0.0 176.6
176 85.2 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-040323

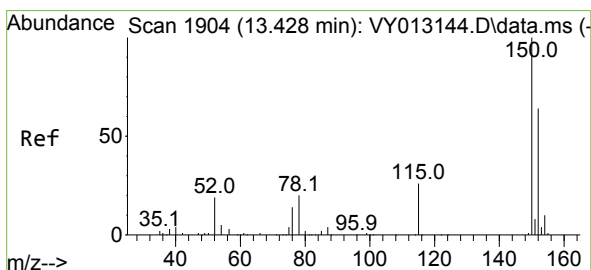
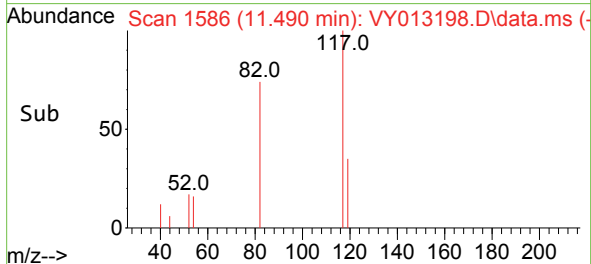
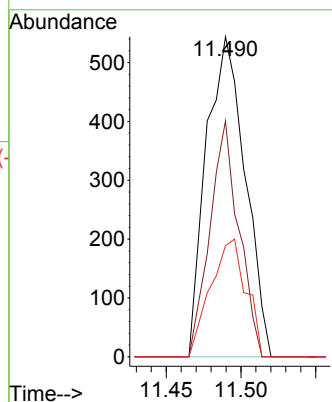
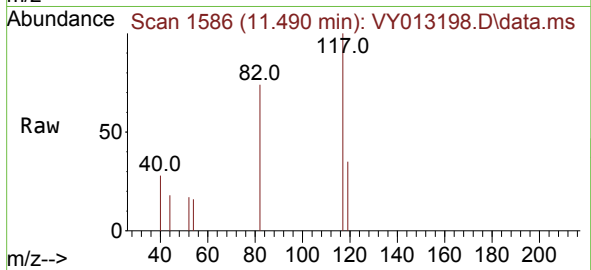
Tgt Ion:117 Resp: 981

Ion Ratio Lower Upper

117 100

82 73.7 45.4 68.0#

119 34.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

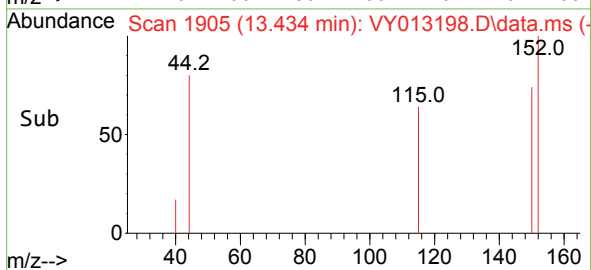
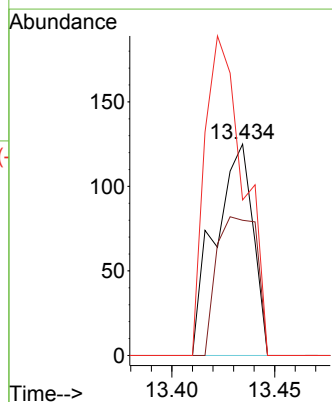
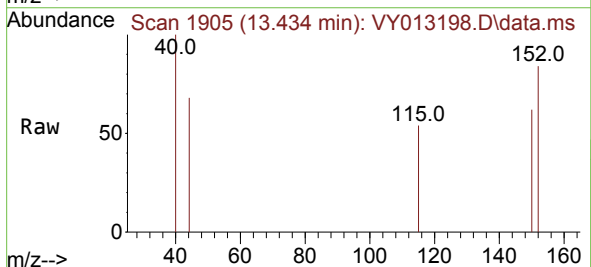
Tgt Ion:152 Resp: 161

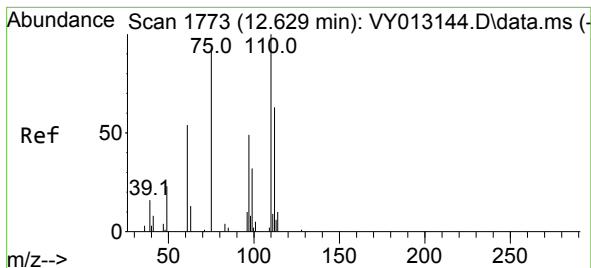
Ion Ratio Lower Upper

152 100

115 69.6 27.1 81.3

150 154.7 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 62.477 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.152 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

Instrument :

MSVOA_Y

ClientSampleId :

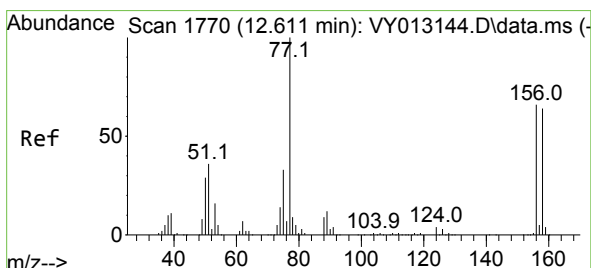
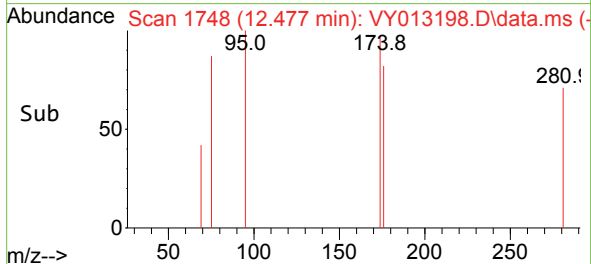
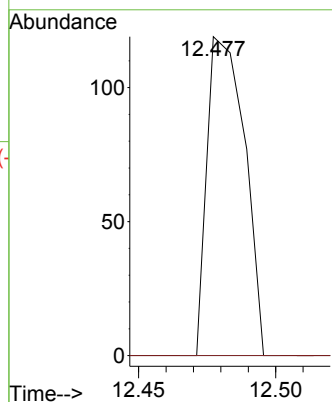
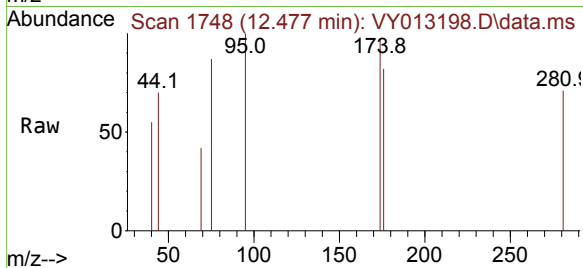
TR-04-040323

Tgt Ion: 75 Resp: 113

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 23.525 ug/l

RT: 12.435 min Scan# 1741

Delta R.T. -0.176 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

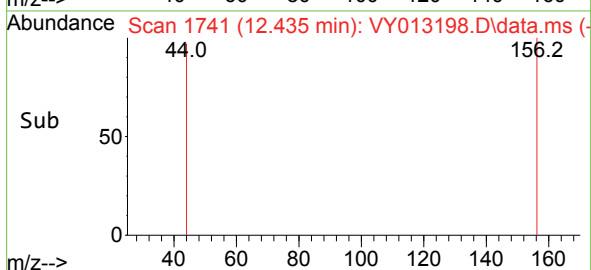
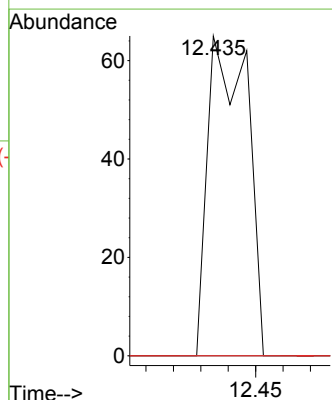
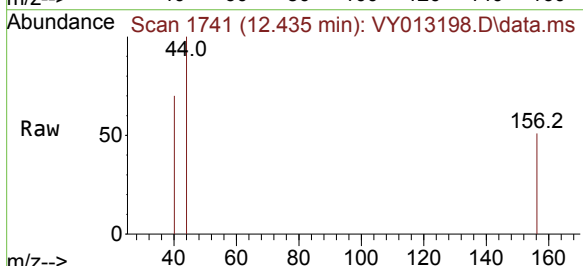
Tgt Ion: 156 Resp: 65

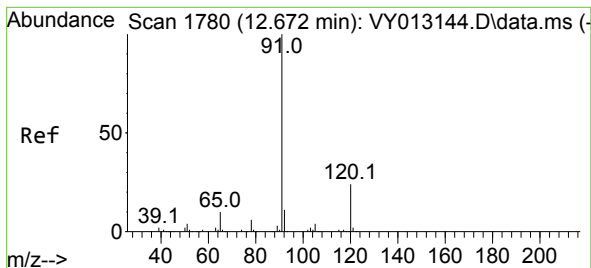
Ion Ratio Lower Upper

156 100

77 0.0 94.0 282.1#

158 0.0 48.1 144.4#





#78

n-propylbenzene

Concen: 1.537 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.153 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

Instrument :

MSVOA_Y

ClientSampleId :

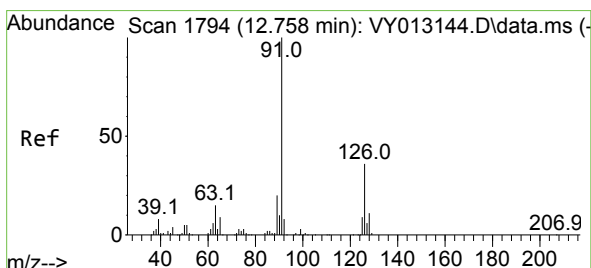
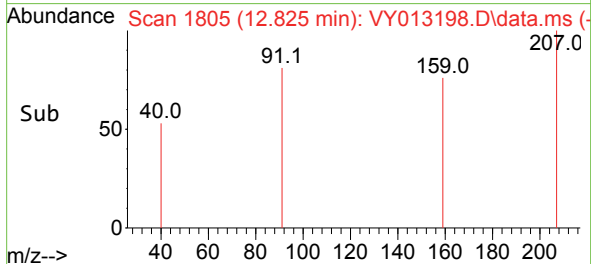
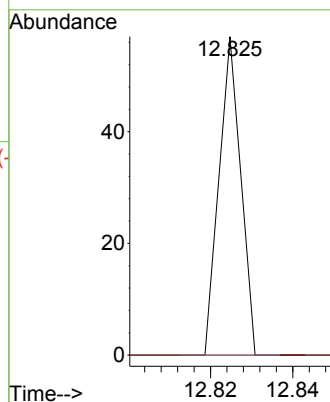
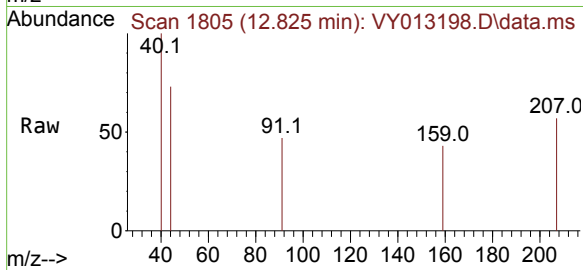
TR-04-040323

Tgt Ion: 91 Resp: 21

Ion Ratio Lower Upper

91 100

120 0.0 11.6 34.8#



#79

2-Chlorotoluene

Concen: 2.708 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.067 min

Lab File: VY013198.D

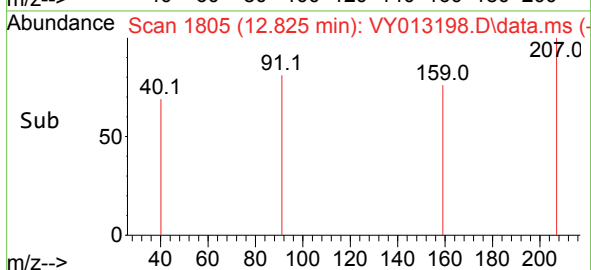
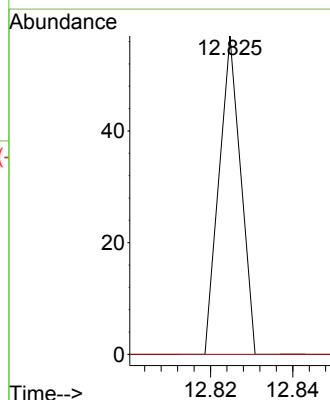
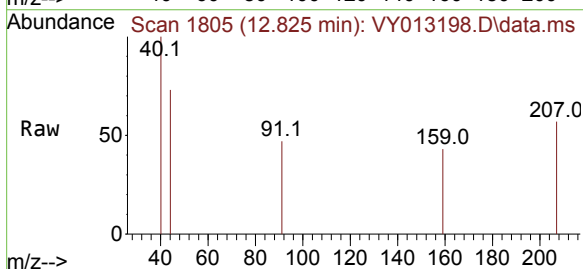
Acq: 04 Apr 2023 18:38

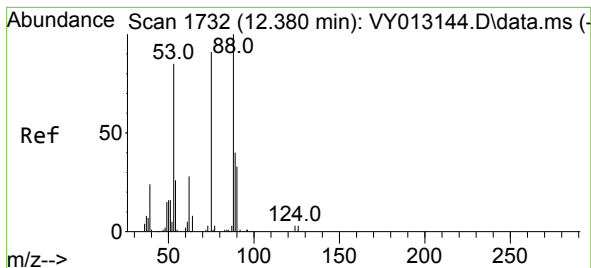
Tgt Ion: 91 Resp: 21

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.2#

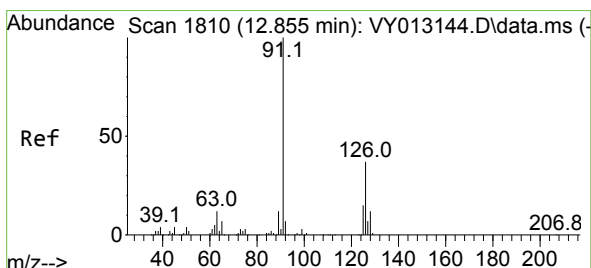
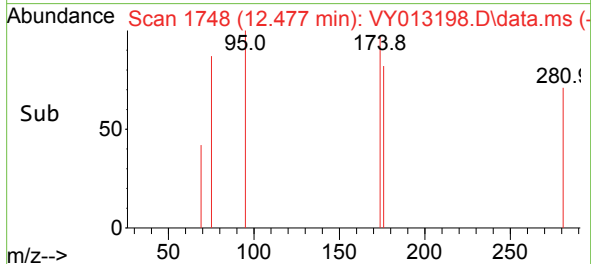
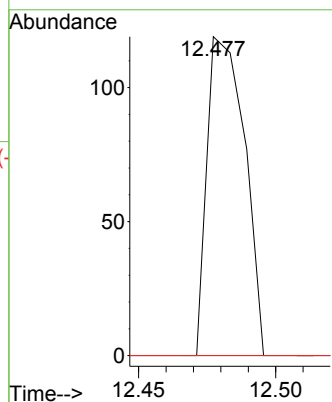
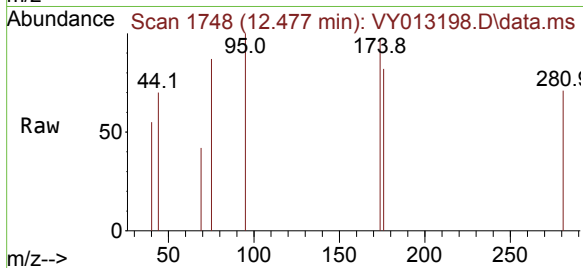




#81
trans-1,4-Dichloro-2-butene
Concen: 139.333 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

Tgt Ion: 75 Resp: 113
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#82
4-Chlorotoluene
Concen: 2.602 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. -0.030 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Tgt Ion: 91 Resp: 21
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#

